

March 21, 2022

VIA ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 5234 – 2022 Annual Retail Rate Filing
Responses to PUC Data Requests – Set 3 (Complete Set)

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid (“National Grid” or the “Company”), enclosed, please find the Company’s responses to the Third Set Data Requests issued by the Public Utilities Commission (“PUC”) in the above-referenced docket.¹

This transmittal contains the Company’s response to PUC 3-2, which completes the Company’s responses in this set.

Thank you for your attention to this filing. If you have any questions, please contact me at 401-784-4263.

Sincerely,



Andrew S. Marcaccio

Enclosures

cc: Docket 5234 Service List
John Bell, Division
Al Mancini, Division
Tiffany Parenteau, Esq.
Greg Schultz, Esq.

¹ Per a communication from Commission counsel on October 4, 2021, the Company is submitting an electronic version of this filing followed by six (6) hard copies filed with the Clerk within 24 hours of the electronic filing.

PUC 3-1

Request:

Referencing the Company's response to PUC 1-16, has peak demand on the NEP local system historically coincided with ISO-NE regional peak demand?

Response:

Yes. NEP's local system has historically coincided with ISO-NE regional peak demand.

PUC 3-2

Request:

Under the new non-PTF LNS formula rate, it appears that LNS costs will be allocated to Narragansett Electric based on Narragansett's non-PTF demand, as opposed to its non-PTF load ratio share. For purposes of LNS cost allocation, is Narragansett Electric required to reconstitute its non-PTF demand for distributed generation? If yes, please describe.

Response:

Yes. New England Power as the transmission operator is required to reconstitute its non-PTF demand based on the definition of network load as in Schedule 21 – NEP.

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PUC 3-3

Request:

Referencing Schedule AS-2, the Company forecasts \$170.8 million in PTF demand charges to be allocated to Narragansett Electric during the period April 2022 – March 2023. In response to PUC 1-12, the Company estimates a \$4.9 million “variance in PTF demand charge” to be allocated to Narragansett Electric over that same period, based on revisions to PTF demand. Does the \$170.8 million PTF demand charge forecast include the \$4.9 million “variance”?

Response:

No. The forecasted PTF demand charge of \$170.8 million referenced in Schedule AS-2, does not include the estimated variance of \$4.9 million associated with reconstituted load referenced in PUC 1-12.

PUC 3-4

Request:

Please describe the methodology Narragansett Electric will use to calculate its monthly RNL, given the revisions to the OATT that were recently approved by FERC in Docket No ER21-2337-002. In your response, explain how Narragansett Electric will reconstitute its monthly RNL for: 1) distributed generation facilities that are registered in the ISO-NE wholesale market and do not offset on-site load; and 2) distributed generation facilities that are registered in the ISO-NE wholesale market, for whom a portion of their generation offsets on-site load.

Response:

In both cases, the calculation for RNL reconstitution for all distributed generation facilities (enrolled as Qualifying Facilities, net metering facilities, or Renewable Energy Growth Program facilities) will be identical. This is because in both cases, the calculation involves whether or not the facility is exporting (net generation over the hourly peak) or is consuming energy (net load over the hourly peak). Therefore, the final outcome will result in either net-generation or net-load being applied to RNL.

PUC 3-5

Request:

In PUC 1-13, the Commission asked the Company to update its response to PUC 4-1 from Docket No. 5127 for all distributed generation facilities in Rhode Island that participate in the Company's renewable energy programs and are registered with ISO-NE as generation assets (including as Settlement Only Generators), interconnected as of December 31, 2021.

Commission staff notes that in response to PUC 4-1 in Docket No. 5127, the Company identified more than 290 facilities. In response to PUC 1-13 in Docket No. 5234, the Company identified 77 facilities. Please explain why the response in Docket No. 5234 contains so many fewer distributed generation facilities than in Docket No. 5127.

Response:

The information provided in the response to PUC 1-13 was incomplete due to an administrative error. Please see the table below for all distributed generation facilities in Rhode Island that participate in the Company's renewable energy programs and are registered with ISO-NE as generation assets (including as Settlement Only Generators), interconnected as of December 31, 2021.

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789	3.45	3.45	Net Metering	Yes	No
1054	1.80	1.80	Qualifying Facility	No	No
11827	0.66	0.66	Net Metering	Yes	No
11889	0.05	0.05	Net Metering	Yes	No
16926	1.20	1.20	Qualifying Facility	No	No
37230	0.08	0.08	Net Metering	Yes	No
37965	0.16	0.17	Net Metering	Yes	No
40246	0.23	0.23	Net Metering	Yes	No
41821	0.10	0.10	Net Metering	Yes	No
41839	0.15	0.15	Net Metering	Yes	No
41847	0.10	0.10	Net Metering	Yes	No
42394	1.50	1.50	Net Metering	Yes	No
43492	4.50	4.50	Net Metering	Yes	No
43512	2.00	2.00	Net Metering	Yes	No
43527	0.50	0.50	Net Metering	Yes	No
43586	0.40	0.40	Net Metering	Yes	No
43607	0.50	0.50	Net Metering	Yes	No
43657	0.30	0.30	Net Metering	Yes	No
43685	0.12	0.12	DG Standard Contract Program	No	No
43716	2.00	2.00	DG Standard Contract Program	No	No
43762	3.00	3.00	DG Standard Contract Program	No	No
43871	2.00	2.00	Qualifying Facility	No	No
43921	0.14	0.14	DG Standard Contract Program	No	No
43956	0.50	0.50	Net Metering	Yes	No
44003	1.23	1.23	DG Standard Contract Program	No	No
44004	0.30	0.30	DG Standard Contract Program	No	No
44005	0.45	0.45	DG Standard Contract Program	No	No
44006	0.45	0.45	DG Standard Contract Program	No	No
44010	0.30	0.30	DG Standard Contract Program	No	No
46717	0.08	0.07	Net Metering	Yes	No
46721	0.25	0.25	DG Standard Contract Program	No	No
46911	0.85	0.85	DG Standard Contract Program	No	No
46913	0.19	0.19	DG Standard Contract Program	No	No
46917	0.05	0.05	DG Standard Contract Program	No	No

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46926	0.06	0.06	DG Standard Contract Program	No	No
46998	0.07	0.07	DG Standard Contract Program	No	No
47020	0.50	0.50	DG Standard Contract Program	No	No
47283	0.19	0.19	Net Metering	Yes	No
47357	1.38	1.38	DG Standard Contract Program	No	No
47487	0.50	0.50	DG Standard Contract Program	No	No
48664	0.88	0.88	DG Standard Contract Program	No	No
48665	0.26	0.26	Net Metering	Yes	No
48758	0.08	0.08	Net Metering	Yes	No
48774	1.17	1.17	DG Standard Contract Program	No	No
48787	0.07	0.07	Net Metering	Yes	No
48788	0.14	0.14	Net Metering	Yes	No
49411	4.50	4.50	Net Metering	Yes	No
49412	4.50	4.50	Net Metering	Yes	No
49413	6.00	6.00	Net Metering	Yes	No
48811	0.09	0.09	Net Metering	Yes	No
48824	0.06	0.06	Net Metering	Yes	No
48899	1.00	1.00	DG Standard Contract Program	No	No
48913	0.10	0.10	Net Metering	Yes	No
49001	0.38	0.38	Net Metering	Yes	No
49222	0.15	0.15	Re-Growth	Yes	No
49241	0.20	0.20	Re-Growth	Yes	No
49254	0.20	0.20	Re-Growth	Yes	No
49256	0.20	0.20	Re-Growth	Yes	No
49289	0.03	0.03	Net Metering	Yes	No
49292	0.38	0.38	Net Metering	Yes	No
49331	0.10	0.10	Net Metering	Yes	No
49354	0.18	0.18	Net Metering	Yes	No
49361	0.07	0.07	Net Metering	Yes	No
49404	0.12	0.12	Net Metering	Yes	No
49409	0.61	0.61	Net Metering	Yes	No
49414	0.03	0.03	Net Metering	Yes	No
49768	0.03	0.03	Net Metering	Yes	No
50057	3.20	3.20	DG Standard Contract Program	No	No

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50060	1.12	1.12	Net Metering	Yes	No
50073	0.05	0.05	Net Metering	Yes	No
50072	0.22	0.22	Re-Growth	Yes	No
50078	0.13	0.13	Net Metering	Yes	No
50088	0.04	0.04	Net Metering	Yes	No
50128	0.20	0.20	Re-Growth	Yes	No
50197	0.11	0.11	Net Metering	Yes	No
50212	0.20	0.20	Re-Growth	Yes	No
50219	0.40	0.40	Re-Growth	Yes	No
50223	0.10	0.10	Net Metering	Yes	No
50232	0.15	0.15	Net Metering	Yes	No
50230	0.13	0.13	Net Metering	Yes	No
50430	0.20	0.20	Re-Growth	Yes	No
50594	0.04	0.04	Net Metering	Yes	No
50595	0.14	0.14	Net Metering	Yes	No
50626	0.25	0.25	Net Metering	Yes	No
50627	0.20	0.20	Re-Growth	Yes	No
50711	0.22	0.22	Re-Growth	Yes	No
50712	0.22	0.22	Re-Growth	Yes	No
50729	0.78	0.78	Re-Growth	Yes	No
50731	0.93	0.93	DG Standard Contract Program	No	No
50736	1.98	1.98	Re-Growth	Yes	No
50783	2.00	2.00	Re-Growth	Yes	No
50799	0.09	0.09	Net Metering	Yes	No
50801	0.07	0.07	Re-Growth	Yes	No
50804	0.03	0.04	Net Metering	Yes	No
50811	0.50	0.50	Net Metering	Yes	No
50812	0.17	0.17	Net Metering	Yes	No
50819	1.50	1.50	Net Metering	Yes	No
50821	3.00	3.00	Net Metering	Yes	No
50834	0.16	0.16	Re-Growth	Yes	No
50828	0.14	0.14	Net Metering	Yes	No
50864	0.84	0.84	Re-Growth	Yes	No
50872	0.06	0.06	Net Metering	Yes	No

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50880	0.06	0.06	Net Metering	Yes	No
50894	0.03	0.04	Net Metering	Yes	No
65988	0.22	0.22	Re-Growth	Yes	No
66005	0.05	0.05	Net Metering	Yes	No
66034	0.22	0.22	Re-Growth	Yes	No
66072	0.22	0.22	Re-Growth	Yes	No
66076	0.05	0.05	Net Metering	Yes	No
66105	0.10	0.10	Net Metering	Yes	No
66096	0.04	0.04	Net Metering	Yes	No
66108	0.06	0.06	Net Metering	Yes	No
66168	0.04	0.04	Net Metering	Yes	No
66170	0.22	0.22	Net Metering	Yes	No
66199	0.05	0.05	Net Metering	Yes	No
66230	0.22	0.22	Re-Growth	Yes	No
66241	0.06	0.06	Net Metering	Yes	No
66259	0.12	0.12	Net Metering	Yes	No
66253	0.88	0.88	Re-Growth	Yes	No
66254	1.00	1.00	Re-Growth	Yes	No
66284	1.00	1.00	Net Metering	Yes	No
67296	0.22	0.22	Re-Growth	Yes	No
67297	0.23	0.23	Net Metering	Yes	No
67298	0.15	0.15	Re-Growth	Yes	No
67397	0.22	0.22	Re-Growth	Yes	No
67412	0.22	0.22	Net Metering	Yes	No
67413	0.22	0.22	Re-Growth	Yes	No
67431	4.99	4.99	Net Metering	Yes	No
67432	3.78	3.78	Net Metering	Yes	No
67438	2.10	2.10	Net Metering	Yes	No
67439	0.13	0.13	Net Metering	Yes	No
67444	0.22	0.22	Re-Growth	Yes	No
67446	0.08	0.08	Net Metering	Yes	No
67447	3.10	3.10	Net Metering	Yes	No
67448	0.22	0.22	Re-Growth	Yes	No
67460	0.22	0.22	Re-Growth	Yes	No

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67478	0.11	0.11	Net Metering	Yes	No
67499	0.04	0.04	Net Metering	Yes	No
67536	0.78	0.78	Net Metering	Yes	No
50640	3.00	3.00	Re-Growth	Yes	No
67550	0.04	0.04	Net Metering	Yes	No
67553	3.00	3.00	Net Metering	Yes	No
67555	0.20	0.20	Re-Growth	Yes	No
67557	0.78	0.78	Re-Growth	Yes	No
50638	3.00	3.00	Net Metering	Yes	No
50639	3.00	3.00	Net Metering	Yes	No
50641	3.00	3.00	Re-Growth	Yes	No
50642	3.00	3.00	Re-Growth	Yes	No
67559	0.10	0.10	Net Metering	Yes	No
67563	0.22	0.22	Re-Growth	Yes	No
67564	0.11	0.11	Net Metering	Yes	No
67565	0.30	0.30	Net Metering	Yes	No
50637	3.00	3.00	Re-Growth	Yes	No
50643	3.00	3.00	Net Metering	Yes	No
67606	1.25	1.25	Net Metering	Yes	No
67615	2.99	2.99	Re-Growth	Yes	No
67630	0.03	0.03	Net Metering	Yes	No
67639	1.17	1.17	Re-Growth	Yes	No
67684	1.20	1.20	Net Metering	Yes	No
67685	1.62	1.62	Net Metering	Yes	No
67689	3.00	3.00	Net Metering	Yes	No
67654	0.04	0.04	Net Metering	Yes	No
67690	0.05	0.05	Re-Growth	Yes	No
67714	0.84	0.84	Re-Growth	Yes	No
67716	0.08	0.08	Re-Growth	Yes	No
67717	0.07	0.07	Net Metering	Yes	No
67793	4.01	4.01	Net Metering	Yes	No
67794	0.68	0.68	Re-Growth	Yes	No
67795	0.04	0.04	Re-Growth	Yes	No
67802	0.75	0.75	Re-Growth	Yes	No

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67804	0.03	0.03	Net Metering	Yes	No
67836	0.20	0.20	Re-Growth	Yes	No
67853	0.78	0.78	Re-Growth	Yes	No
67919	0.05	0.05	Net Metering	Yes	No
67952	0.04	0.04	Re-Growth	Yes	No
69261	7.75	7.75	Net Metering	Yes	No
69262	8.50	8.50	Net Metering	Yes	No
68109	0.20	0.20	Re-Growth	Yes	No
68111	0.05	0.05	Re-Growth	Yes	No
68120	0.06	0.06	Re-Growth	Yes	No
68182	0.03	0.03	Net Metering	Yes	No
68184	0.36	0.36	Net Metering	Yes	No
68189	0.03	0.03	Net Metering	Yes	No
68191	0.19	0.19	Net Metering	Yes	No
68214	0.12	0.12	Net Metering	Yes	No
68218	0.22	0.22	Re-Growth	Yes	No
68219	0.46	0.46	Re-Growth	Yes	No
68259	0.20	0.20	Re-Growth	Yes	No
68270	0.03	0.03	Net Metering	Yes	No
68306	0.05	0.05	Re-Growth	Yes	No
68309	2.01	2.01	Net Metering	Yes	No
68311	0.10	0.10	Re-Growth	Yes	No
68313	2.54	2.54	Net Metering	Yes	No
68333	0.04	0.04	Net Metering	Yes	No
49029	10.40	10.40	Net Metering	Yes	No
68341	0.14	0.14	Re-Growth	Yes	No
68343	0.85	0.85	Re-Growth	Yes	No
68356	0.03	0.03	Re-Growth	Yes	No
68361	0.36	0.36	Net Metering	Yes	No
68397	0.03	0.03	Net Metering	Yes	No
68414	0.27	0.27	Net Metering	Yes	No
68455	0.05	0.05	Net Metering	Yes	No
68457	4.50	4.50	Net Metering	Yes	No
68471	0.05	0.05	Net Metering	Yes	No

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68481	0.06	0.06	Net Metering	Yes	No
68510	0.06	0.06	Re-Growth	Yes	No
68537	0.03	0.03	Net Metering	Yes	No
68554	0.78	0.78	Re-Growth	Yes	No
68559	0.20	0.20	Re-Growth	Yes	No
68560	0.72	0.72	Re-Growth	Yes	No
68566	1.75	1.75	Net Metering	Yes	No
68568	1.25	1.25	Net Metering	Yes	No
68569	0.72	0.72	Re-Growth	Yes	No
68572	0.18	0.18	Re-Growth	Yes	No
68573	0.78	0.78	Re-Growth	Yes	No
68574	0.34	0.34	Re-Growth	Yes	No
68576	0.22	0.22	Re-Growth	Yes	No
68579	0.63	0.63	Re-Growth	Yes	No
68587	0.22	0.22	Re-Growth	Yes	No
68589	0.80	0.80	Re-Growth	Yes	No
68599	0.03	0.03	Net Metering	Yes	No
68614	0.12	0.12	Net Metering	Yes	No
68629	0.07	0.07	Net Metering	Yes	No
68681	0.04	0.04	Net Metering	Yes	No
68766	0.20	0.20	Re-Growth	Yes	No
68778	0.03	0.03	Net Metering	Yes	No
68782	0.22	0.22	Re-Growth	Yes	No
68788	0.84	0.84	Re-Growth	Yes	No
68841	0.11	0.11	Net Metering	Yes	No
50835	13.88	13.88	Net Metering	Yes	No
68902	0.22	0.22	Re-Growth	Yes	No
68926	0.04	0.04	Re-Growth	Yes	No
69002	0.04	0.04	Net Metering	Yes	No
69034	0.18	0.18	Re-Growth	Yes	No
69036	0.20	0.20	Re-Growth	Yes	No
69035	0.03	0.03	Net Metering	Yes	No
69047	0.07	0.07	Net Metering	Yes	No
69080	0.17	0.17	Net Metering	Yes	No

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69128	0.22	0.22	Re-Growth	Yes	No
69129	0.20	0.20	Re-Growth	Yes	No
69130	0.21	0.21	Re-Growth	Yes	No
69188	2.64	2.64	Net Metering	Yes	No
69198	0.18	0.18	Re-Growth	Yes	No
69199	0.04	0.04	Net Metering	Yes	No
69279	0.03	0.03	Net Metering	Yes	No
69280	5.00	5.00	Net Metering	Yes	No
69300	0.37	0.37	Re-Growth	Yes	No
69306	0.20	0.20	Net Metering	Yes	No
69315	0.22	0.22	Re-Growth	Yes	No
68483	8.00	8.00	Re-Growth	Yes	No
68484	8.00	8.00	Net Metering	Yes	No
68485	8.00	8.00	Net Metering	Yes	No
69344	0.03	0.03	Net Metering	Yes	No
69358	0.04	0.04	Net Metering	Yes	No
69366	0.03	0.03	Net Metering	Yes	No
69381	0.20	0.20	Re-Growth	Yes	No
69383	0.96	0.96	Re-Growth	Yes	No
69384	2.34	2.34	Re-Growth	Yes	No
69382	0.06	0.06	Net Metering	Yes	No
69390	2.50	2.50	Re-Growth	Yes	No
69391	0.05	0.05	Net Metering	Yes	No
69418	0.03	0.03	Net Metering	Yes	No
69439	0.23	0.23	Re-Growth	Yes	No
69457	0.06	0.06	Net Metering	Yes	No
69492	0.20	0.20	Re-Growth	Yes	No
69487	0.14	0.14	Re-Growth	Yes	No
69510	0.04	0.04	Net Metering	Yes	No
69600	4.13	4.13	Net Metering	Yes	No
69605	2.63	2.63	Net Metering	Yes	No
69636	3.88	3.88	Re-Growth	Yes	No
69647	3.34	3.34	Net Metering	Yes	No
69648	3.34	3.34	Net Metering	Yes	No

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5234
In Re: 2022 Annual Retail Rate Filing
Responses to the Commission's Third Set of Data Requests
Issued on March 14, 2022

PUC 3-5, page 10

Asset ID	(a) Nameplate Capacity (MW)	(b) Asset Registration Capacity (MW)	(c) Renewable Energy Program	(d) Will Facility National Grid's RNL (Yes/No)	(e) Facility will or will not reduce National Grid's Regional Network Load (RNL) under the Transmission Owners' proposed change to the definition of RNL in the ISO-NE OATT (Yes/No)
69650	2.38	2.38	Net Metering	Yes	No
69684	3.75	3.75	Net Metering	Yes	No
69708	1.83	1.83	Net Metering	Yes	No
69702	0.15	0.15	Re-Growth	Yes	No
69704	4.08	4.08	Net Metering	Yes	No
69715	0.50	0.50	Net Metering	Yes	No
69716	1.66	1.66	Net Metering	Yes	No
69724	3.00	3.00	Re-Growth	Yes	No
69731	0.03	0.03	Net Metering	Yes	No
69737	0.03	0.03	Net Metering	Yes	No
69735	2.00	2.00	Net Metering	Yes	No
69739	2.38	2.38	Net Metering	Yes	No
69734	0.07	0.07	Net Metering	Yes	No
69736	1.80	1.80	Net Metering	Yes	No
69776	0.19	0.19	Re-Growth	Yes	No
69780	0.95	0.95	Net Metering	Yes	No
69930	3.00	3.00	Net Metering	Yes	No
69934	0.20	0.20	Re-Growth	Yes	No
69940	2.00	2.00	Re-Growth	Yes	No
69941	2.59	2.59	Net Metering	Yes	No
69978	0.23	0.23	Re-Growth	Yes	No
70001	0.03	0.03	Net Metering	Yes	No
70018	0.21	0.21	Re-Growth	Yes	No
70067	0.22	0.22	Re-Growth	Yes	No
70093	0.03	0.03	Net Metering	Yes	No
70095	4.48	4.48	Net Metering	Yes	No
70101	0.07	0.07	Net Metering	Yes	No
70102	0.03	0.03	Net Metering	Yes	No
71116	0.03	0.03	Net Metering	Yes	No
71142	0.04	0.04	Net Metering	Yes	No
71147	0.03	0.03	Net Metering	Yes	No
71160	0.30	0.30	Re-Growth	Yes	No
71167	0.20	0.20	Re-Growth	Yes	No
71171	0.13	0.13	Net Metering	Yes	No

The Narragansett Electric Company
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Asset ID	(a) Nameplate Capacity (MW)	(b) Asset Registration Capacity (MW)	(c) Renewable Energy Program	(d) Will Facility National Grid's RNL (Yes/No)	(e) Facility will or will not reduce National Grid's Regional Network Load (RNL) under the Transmission Owners' proposed change to the definition of RNL in the ISO-NE OATT (Yes/No)
71193	0.18	0.18	Re-Growth	Yes	No
71203	0.10	0.10	Re-Growth	Yes	No
71226	0.03	0.03	Net Metering	Yes	No
71235	4.98	4.98	Net Metering	Yes	No
71238	0.18	0.18	Re-Growth	Yes	No
71277	0.66	0.66	Re-Growth	Yes	No
71281	0.04	0.04	Net Metering	Yes	No
71283	0.03	0.03	Net Metering	Yes	No
71313	4.00	4.00	Net Metering	Yes	No
71328	0.04	0.04	Net Metering	Yes	No
71329	0.07	0.07	Net Metering	Yes	No
71359	0.03	0.03	Net Metering	Yes	No
71361	0.19	0.19	Re-Growth	Yes	No
71362	0.05	0.05	Net Metering	Yes	No
71387	0.20	0.20	Re-Growth	Yes	No
71389	0.50	0.50	Re-Growth	Yes	No
71436	0.10	0.10	Net Metering	Yes	No
71449	0.30	0.30	Re-Growth	Yes	No
71472	0.05	0.05	Net Metering	Yes	No
71473	0.75	0.75	Re-Growth	Yes	No
71478	0.30	0.30	Re-Growth	Yes	No
71480	0.25	0.25	Re-Growth	Yes	No
71489	0.13	0.13	Net Metering	Yes	No
71496	0.20	0.20	Net Metering	Yes	No
71514	0.13	0.13	Re-Growth	Yes	No
71524	0.84	0.84	Re-Growth	Yes	No
71538	0.03	0.03	Net Metering	Yes	No
71613	0.12	0.12	Net Metering	Yes	No
71615	0.03	0.03	Net Metering	Yes	No
71617	0.15	0.15	Re-Growth	Yes	No
71618	0.18	0.18	Re-Growth	Yes	No
71627	0.20	0.20	Re-Growth	Yes	No
71629	0.20	0.20	Re-Growth	Yes	No
71633	0.38	0.38	Re-Growth	Yes	No

The Narragansett Electric Company
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In Re: 2022 Annual Retail Rate Filing
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PUC 3-5, page 12

Asset ID	(a) Nameplate Capacity (MW)	(b) Asset Registration Capacity (MW)	(c) Renewable Energy Program	(d) Will Facility National Grid's RNL (Yes/No)	(e) Facility will or will not reduce National Grid's Regional Network Load (RNL) under the Transmission Owners' proposed change to the definition of RNL in the ISO-NE OATT (Yes/No)
71634	0.33	0.33	Re-Growth	Yes	No
71635	0.80	0.80	Re-Growth	Yes	No
71639	0.49	0.49	Net Metering	Yes	No
71646	3.00	3.00	Re-Growth	Yes	No
71669	0.20	0.20	Re-Growth	Yes	No
71672	0.48	0.48	Re-Growth	Yes	No
71674	3.17	3.17	Net Metering	Yes	No

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5234
In Re: 2022 Annual Retail Rate Filing
Responses to the Commission's Third Set of Data Requests
Issued on March 14, 2022

PUC 3-6

Request:

Please update the response to PUC 1-22B from Docket No. 5127 with 2021 data.

Response:

Please see Attachment PUC 3-6 for an update to PUC 1-22B from Docket No. 5127 with 2021 data.

Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Total Costs
For the Period January 2021 through December 2021

(1) Above Market Cost for the period January 2021 through December 2021 (AM)	\$31,984,361
(2) Customer Share of Net Forward Capacity Market Proceeds (NFCMP)	\$136,570
(3) Administrative Costs (ADM)	\$30,896
(4) 2.75% Remuneration	\$2,190,241
(5) Performance Guarantee Deposit refunds for terminated contracts	<u>(\$22,570)</u>
(6) Total Costs	\$34,046,358

- (1) per Page 4, Column (c), Line (38)
- (2) per Page 5, Line (2)
- (3) per Page 5, Line (9)
- (4) per Schedule NECO-18, Page 4, Column (j)
- (5) per Schedule NECO-18, Page 4, Column (i)
- (6) Line (1) - Line (2) + Line (3) + Line (4) + Line (5)

Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Annual Actual Contract Cost
For the Period January 2021 through December 2021

Annual Actual Contract Cost									
Unit	Unit Capacity (MW) (a)	Commercial Operation Date (b)	Unit Availability Efficiency Factor (c)	Actual Annual Output (MWh) (d)	Resettlements for Generation prior to CY21 (e)	Contract Price (\$ per MWh) (f)	Prior Period Contract Price (\$ per MWh) (g)	Negative LMP/ Miscellaneous (h)	Actual Annual Contract Cost (i)
(1) RI LFG Genco Asset No. 40054	32.100	05/28/13	72%	201,673.0	475.9	\$149.61	\$147.60		\$30,242,538
(2) Wind Energy Dev. NK Green LLC Asset No. 42394	1.500	03/01/13	16%	2,147.3	3.2	\$133.50	\$133.50		\$287,089
(3) Con Edison Development Plain Mtg House Asset No. 43512	2.000	07/19/13	9%	1,609.6	960.9	\$275.00	\$275.00		\$706,880
(4) ACP Land LLC 28 Jacome Way Asset No. 43527	0.500	07/18/13	13%	589.6	1.5	\$316.00	\$316.00		\$186,777
(5) Comtram Cable Asset No. 43586	0.499	09/30/13	13%	586.5	(0.4)	\$316.00	\$316.00		\$185,191
(6) CCI New England 500 kW Asset No. 43607	0.498	10/25/13	9%	371.2	149.7	\$316.00	\$316.00		\$164,594
(7) Conanicut Marine Services (CMS) Solar Asset No. 43685	0.128	10/21/13	11%	126.2	33.3	\$288.00	\$288.00		\$45,940
(8) Black Bear Orono B Hydro Asset No. 38083	3.958	11/22/13	46%	15,806.8		\$106.62		(\$2.30)	\$1,685,320
(9) West Davisville Solar Asset No. 43716	2.340	12/06/13	13%	2,698.9	2.8	\$236.99	\$236.99		\$640,272
(10) Forbes Street Solar Asset No. 43762	3.710	12/20/13	13%	4,313.7	(0.4)	\$239.00	\$239.00		\$1,030,887
(11) CCI New England 181 kW Asset No. 43921	0.181	02/27/14	9%	148.5	33.6	\$316.00	\$316.00		\$57,538
(12) 100 Dupont Solar Asset No. 44003	1.500	03/25/14	13%	1,651.0	(2.1)	\$209.00	\$209.00		\$344,611
(13) 225 Dupont Solar Asset No. 44004	0.300	03/25/14	0%	5.2	203.4	\$316.00	\$316.00		\$65,917
(14) 35 Martin Solar Asset No. 44006	0.500	03/27/14	13%	561.9	14.9	\$316.00	\$316.00		\$182,271
(15) O Martin Solar Asset No. 44005	0.500	03/27/14	14%	604.7	(0.4)	\$316.00	\$316.00		\$190,960
(16) Gannon & Scott Solar Asset No. 44010	0.406	04/29/14	2%	66.7	294.3	\$284.00	\$284.00		\$102,498
(17) All American Foods Solar Asset No. 46721	0.331	10/24/14	8%	242.5	0.2	\$284.00	\$284.00		\$68,948
(18) Brickle Group Solar Project Asset No. 46911	1.084	12/04/14	11%	1,025.9	363.3	\$184.90	\$184.90		\$256,862
(19) T.E.A.M. Inc. Solar Asset No. 46913	0.182	12/11/14	12%	185.2	(0.0)	\$288.00	\$288.00		\$53,339
(20) Newport Vineyards Solar Asset No. 46917	0.053	12/15/14	11%	50.3	16.5	\$299.50	\$299.50		\$19,985
(21) SER Solar 23 Appian Way Asset No. 46926	0.052	12/17/14	12%	53.4	(0.0)	\$277.57	\$277.57		\$14,818
(22) Nexamp 76 Silson Rd. Asset No. 47020	0.498	02/28/15	12%	536.0	113.6	\$194.88	\$194.88		\$126,592
(23) Randall Steere Farm Asset No. 46998	0.091	03/18/15	11%	91.5	(0.0)	\$299.49	\$299.49		\$27,410
(24) Johnston Solar Asset No. 47357	1.700	08/03/15	11%	1,624.7	42.3	\$175.00	\$175.00		\$291,723
(25) North Kingstown Solar 1720 Davisville Rd. - Asset No. 47487	0.500	10/20/15	14%	617.1	0.6	\$190.00	\$190.00		\$117,361
(26) Wilco 260 South County Trail - Asset No. 48664	1.246	08/11/16	13%	1,438.1	11.4	\$219.50	\$219.50		\$318,164
(27) Foster Solar - Asset No. 48774	1.250	09/08/16	14%	1,574.5	7.7	\$205.99	\$205.99		\$325,912
(28) Brookside Equestrian Center No. 48899	1.246	10/19/16	13%	1,434.8	2.2	\$149.90	\$149.90		\$215,405
(29) Deepwater Wind Asset No. 38495	30.000	12/12/16	32%	83,532.7	660.4	\$279.94	\$279.94		\$23,569,009
(30) Orbit Energy Asset No. 50057	3.200	08/24/17	9%	2,611.4	560.6	\$102.83	\$102.82		\$326,164
(31) Frenchtown Road Solar - Asset No. 50731	1.250	01/30/18	12%	1,261.7	15.2	\$196.00	\$196.00		\$250,285
(32) Copenhagen Wind Farm	79.900	12/27/18	30%	208,091.4	7,166.5	\$83.57	\$81.61	(\$13,244.13)	\$17,961,817
(33) Woods Hill Solar Asset No. 49370	1.500	12/26/18	14%	1,886.8	116.6	\$99.49	\$99.49	(\$264.03)	\$199,056
(34) Hope Farm Solar Asset No. 49029	5.000	12/17/19	18%	7,790.4	(1.0)	\$93.66	\$93.66	(\$920.23)	\$728,636
(35) Sanford Airport Solar Asset No. 68737	3.702	11/19/20	21%	6,674.6	279.9	\$78.95	\$39.34	(\$678.12)	\$537,292
(36) Cassadaga Wind	18.750	05/22/21	5%	8,932.0		\$74.71		(\$457.38)	\$666,809
(37) Farmington Solar	3.702	10/27/21	1%	473.6		\$84.85		(\$51.17)	\$40,131
(38) Total				563,089					\$82,235,000

- (a) Commercially operable units
- (b) Start date of commercial operation
- (c) Column (d) / (Column (a) x 8760 hours)
- (d) per Company reports
- (e) per Company Accounting records
- (f) per Purchase Power Agreements
- (g) per Purchase Power Agreements
- (h) per Company reports
- (i) Column (d) * Column (f) + Column (e) * Column (g) + Column (h)

Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Actual Market Value
For the Period January 2021 through December 2021

<u>Actual Market Value</u>		Actual	Energy	REC		Total
	<u>Unit</u>	MWh Purchased	Market	Market	<u>Capacity</u>	Market
		<u>Under Contracts</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>
		(a)	(b)	(c)	(d)	(e)
(1)	RI LFG Genco Asset No. 40054	201,673.0	\$9,016,167	\$7,612,221	\$1,531,454	\$18,159,842
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	2,147.3	\$89,429	\$104,467	\$0	\$193,895
(3)	Con Edison Development Plain Mtg House Asset No. 43512	1,609.6	\$134,679	\$99,066	\$0	\$233,746
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	589.6	\$22,928	\$25,524	\$0	\$48,452
(5)	Comtram Cable Asset No. 43586	586.5	\$22,450	\$25,200	\$0	\$47,650
(6)	CCI New England 500 kW Asset No. 43607	371.2	\$18,962	\$27,773	\$0	\$46,735
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	126.2	\$5,887	\$5,241	\$0	\$11,128
(8)	Black Bear Orono B Hydro Asset No. 38083	15,806.8	\$683,713	\$612,111	\$205,604	\$1,501,427
(9)	West Davisville Solar Asset No. 43716	2,698.9	\$100,463	\$116,276	\$0	\$216,739
(10)	Forbes Street Solar Asset No. 43762	4,313.7	\$160,487	\$185,475	\$0	\$345,962
(11)	CCI New England 181 kW Asset No. 43921	148.5	\$6,452	\$7,604	\$0	\$14,056
(12)	100 Dupont Solar Asset No. 44003	1,651.0	\$60,934	\$66,637	\$0	\$127,571
(13)	225 Dupont Solar Asset No. 44004	5.2	\$9,707	\$7,544	\$0	\$17,251
(14)	35 Martin Solar Asset No. 44006	561.9	\$21,684	\$22,292	\$0	\$43,977
(15)	0 Martin Solar Asset No. 44005	604.7	\$22,623	\$25,063	\$0	\$47,686
(16)	Gannon & Scott Solar Asset No. 44010	66.7	\$17,301	\$13,089	\$0	\$30,390
(17)	All American Foods Solar Asset. No. 46721	242.5	\$9,033	\$12,678	\$0	\$21,711
(18)	Brickle Group Solar Project Asset. No. 46911	1,025.9	\$53,457	\$52,075	\$0	\$105,532
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	185.2	\$7,172	\$7,611	\$0	\$14,783
(20)	Newport Vineyards Solar Asset. No. 46917	50.3	\$2,504	\$2,579	\$0	\$5,084
(21)	SER Solar 23 Appian Way Asset. No. 46926	53.4	\$1,962	\$2,023	\$0	\$3,985
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	536.0	\$28,461	\$31,640	\$0	\$60,100
(23)	Randall Steere Farm Asset. No. 46998	91.5	\$3,544	\$4,058	\$0	\$7,602
(24)	Johnston Solar Asset No. 47357	1,624.7	\$64,438	\$70,629	\$0	\$135,067
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	617.1	\$24,225	\$25,153	\$0	\$49,378
(26)	Wilco 260 South County Trail - Asset No. 48664	1,438.1	\$55,906	\$58,333	\$0	\$114,239
(27)	Foster Solar - Asset No. 48774	1,574.5	\$59,172	\$65,503	\$0	\$124,675
(28)	Brookside Equestrian Center No. 48899	1,434.8	\$54,371	\$63,653	\$0	\$118,024
(29)	Deepwater Wind Asset No. 38495	83,532.7	\$3,872,060	\$4,461,674	\$696,060	\$9,029,794
(30)	Orbit Energy Asset No. 50057	2,611.4	\$157,284	\$63,938	\$156,717	\$377,939
(31)	Frenchtown Road Solar - Asset No. 50731	1,261.7	\$47,859	\$54,615	\$0	\$102,474
(32)	Copenhagen Wind Farm	208,091.4	\$7,602,586	\$9,535,169	\$0	\$17,137,755
(33)	Woods Hill Solar Asset No. 49370	1,886.8	\$74,510	\$86,233	\$0	\$160,744
(34)	Hope Farm Solar Asset No. 49029	7,790.4	\$315,739	\$323,484	\$0	\$639,224
(35)	Sanford Airport Solar Asset No. 68737	6,674.6	\$256,515	\$154,662	\$0	\$411,177
(36)	Cassadaga Wind	8,932.0	\$498,545	\$0	\$0	\$498,545
(37)	Farmington Solar	473.6	\$46,297	\$0	\$0	\$46,297
(38)	Total		\$23,629,508	\$24,031,296	\$2,589,835	\$50,250,638

- (a) per Page 2, Column (d)
- (b) per Company Accounting records
- (c) per Company Accounting records
- (d) per Company Accounting records
- (e) Column (b) + Column (c) + Column (d)

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Above/(Below) Market Cost
For the Period January 2021 through December 2021**

Above/(Below) Market Cost

	<u>Unit</u>	<u>Actual Annual Contract Cost</u> (a)	<u>Total Market Value</u> (b)	<u>Above/(Below) Market Cost</u> (c)
(1)	RI LFG Genco Asset No. 40054	\$30,242,538	\$18,159,842	\$12,082,696
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	\$287,089	\$193,895	\$93,194
(3)	Con Edison Development Plain Mtg House Asset No. 43512	\$706,880	\$233,746	\$473,134
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	\$186,777	\$48,452	\$138,325
(5)	Comtram Cable Asset No. 43586	\$185,191	\$47,650	\$137,542
(6)	CCI New England 500 kW Asset No. 43607	\$164,594	\$46,735	\$117,859
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	\$45,940	\$11,128	\$34,812
(8)	Black Bear Orono B Hydro Asset No. 38083	\$1,685,320	\$1,501,427	\$183,893
(9)	West Davisville Solar Asset No. 43716	\$640,272	\$216,739	\$423,533
(10)	Forbes Street Solar Asset No. 43762	\$1,030,887	\$345,962	\$684,925
(11)	CCI New England 181 kW Asset No. 43921	\$57,538	\$14,056	\$43,481
(12)	100 Dupont Solar Asset No. 44003	\$344,611	\$127,571	\$217,040
(13)	225 Dupont Solar Asset No. 44004	\$65,917	\$17,251	\$48,666
(14)	35 Martin Solar Asset No. 44006	\$182,271	\$43,977	\$138,294
(15)	0 Martin Solar Asset No. 44005	\$190,960	\$47,686	\$143,273
(16)	Gannon & Scott Solar Asset No. 44010	\$102,498	\$30,390	\$72,108
(17)	All American Foods Solar Asset. No. 46721	\$68,948	\$21,711	\$47,237
(18)	Brickle Group Solar Project Asset. No. 46911	\$256,862	\$105,532	\$151,330
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	\$53,339	\$14,783	\$38,555
(20)	Newport Vineyards Solar Asset. No. 46917	\$19,985	\$5,084	\$14,902
(21)	SER Solar 23 Appian Way Asset. No. 46926	\$14,818	\$3,985	\$10,833
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	\$126,592	\$60,100	\$66,491
(23)	Randall Steere Farm Asset. No. 46998	\$27,410	\$7,602	\$19,808
(24)	Johnston Solar Asset No. 47357	\$291,723	\$135,067	\$156,656
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	\$117,361	\$49,378	\$67,983
(26)	Wilco 260 South County Trail - Asset No. 48664	\$318,164	\$114,239	\$203,925
(27)	Foster Solar - Asset No. 48774	\$325,912	\$124,675	\$201,236
(28)	Brookside Equestrian Center No. 48899	\$215,405	\$118,024	\$97,381
(29)	Deepwater Wind Asset No. 38495	\$23,569,009	\$9,029,794	\$14,539,215
(30)	Orbit Energy Asset No. 50057	\$326,164	\$377,939	(\$51,776)
(31)	Frenchtown Road Solar - Asset No. 50731	\$250,285	\$102,474	\$147,811
(32)	Copenhagen Wind Farm	\$17,961,817	\$17,137,755	\$824,061
(33)	Woods Hill Solar Asset No. 49370	\$199,056	\$160,744	\$38,313
(34)	Hope Farm Solar Asset No. 49029	\$728,636	\$639,224	\$89,413
(35)	Sanford Airport Solar Asset No. 68737	\$537,292	\$411,177	\$126,115
(36)	Cassadaga Wind	\$666,809	\$498,545	\$168,265
(37)	Farmington Solar	<u>\$40,131</u>	<u>\$46,297</u>	<u>(\$6,166)</u>
(38)	Total	\$82,235,000	\$50,250,638	\$31,984,361

- (a) Page 2, Column (i)
(b) Page 3, Column (e)
(c) Column (a) - Column (b)

**Forward Capacity Market
Actual Proceeds and Administrative Costs
For the Period January 2021 through December 2021**

Section 1: Customer Share of Net Forward Capacity Market Proceeds:

(1)	Gross Forward Capacity Market Proceeds	\$151,744
(2)	Customer Share of Net Forward Capacity Market Proceeds	\$136,570

Section 2: Administrative Costs:

(3)	Contractor Fees	\$24,529
(4)	Total hours for January 2021 - December 2021	95
(5)	Unburdened Average Hourly Rate	\$39.43
(6)	Average Burden Rate	69.97%
(7)	Burdened Average Hourly Rate	\$67.02
(8)	Administrative Company Labor for the FCM	\$6,367
(9)	Total administrative costs for the FCM	\$30,896

- (1) Proceeds received
- (2) Line (1) x 90%
- (3) per Company accounting records
- (4) per Company accounting records
- (5) Per Company records (excludes Pension and PBOP)
- (6) Average Burden rate for CY21
- (7) Line (5) + (Line (5) x Line (6))
- (8) Line (4) x Line (7)
- (9) Line (3) + Line (8)

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

March 21, 2022
Date

National Grid – 2022 Annual Retail Rate Filing - Docket No. 5234
Service List Updated 2/23/2022

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